

## Patent Abstracts of Japan

PUBLICATION NUMBER : 55097749  
PUBLICATION DATE : 25-07-80

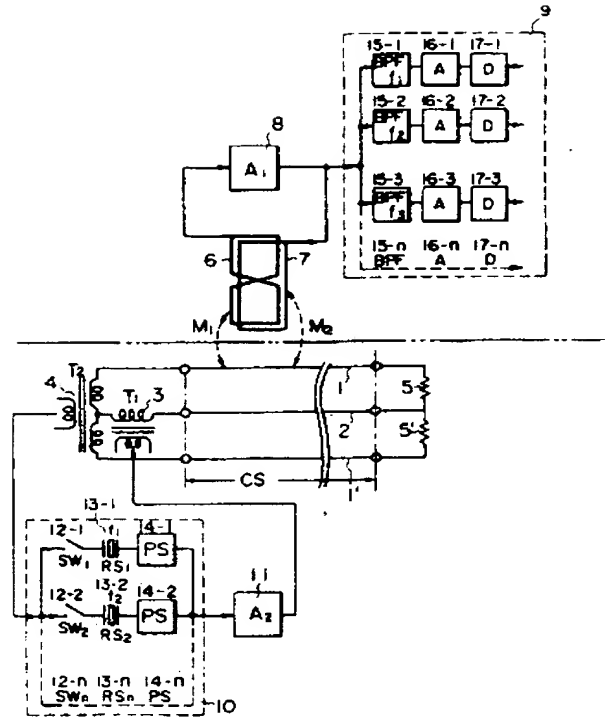
APPLICATION DATE : 19-01-79  
APPLICATION NUMBER : 54005040

APPLICANT : KOKUSAI ELECTRIC CO LTD;

INVENTOR : KIOGAWA TAKAO;

INT.CL. : H04B 7/26 H04B 5/00

TITLE : INFORMATION SIGNAL TRANSMITTER



**ABSTRACT :** PURPOSE: To collect information on a traveling body with high precision by making a feedback loop oscillation circuit, composed of ground-station facility including induction lines coupled with coils of mobile-station facility, to oscillate an oscillation frequency determined by the high-Q resonance circuits of an information signal transmitter circuit.

**CONSTITUTION:** Ground fixed station facility is provided with series circuits of high- Q resonance circuits 13-1~13-n to a fixed frequency, and phase shifters 14-1~14-n as many as the number of kinds of information, and mobile-station facility information-detects 17-1~17-n fixed frequency components from outputs of antenna coils 6 and 7 through BPFs 15-1~15-n. Here, a feedback loop oscillation circuit is provided which consists of the ground fixed station facility including amplifier 8 and coils 6 and 7 of the mobile-station facility and induction lines 1, 2 and 1' coupling with those coils 6 and 7, and it is made to oscillate at an oscillation frequency determined by the resonance frequency of high-Q resonance circuits of the information signal sending circuit, thereby transmitting information from the ground fixed station to the mobile station. Consequently, it is made possible to collect mobile-body information including position detection of the mobile body with high precision.

COPYRIGHT: (C) JPO